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METHOD TO DETERMINE THE OPTIMAL PARAMETERS OF A RADIOGRAPHY ACQUISITION

ABSTRACT OF THE DISCLOSURE

To make the settings for an X-ray installation, so that the images that it reveals have the greatest possible contrast, a measurement is made of a mean equivalent thickness of the body of a patient being examined from a test image. However, as a preliminary, the test image is rid of those pixels for which it is known, a priori, that their significance does not comprise any interesting gray levels. The dynamic range of the image can be set objectively by choosing the thickness threshold and the equivalent mean thickness as a given proportion of the dynamic range. Preferably, the computation and the setting are done on the fly, in real time after the acquisition of the test image.

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